

Atron Price List

January 1, 1984



20665 FOURTH STREET
SARATOGA, CA 95070
(408) 741-5900

Product	Description
PC PROBE	Software/hardware debugging system including printed circuit board, software and manual.
Quantity	1-9 10-25 25-49 50-99 100-199 200-
Price	\$2495 \$2195 \$1895 \$1695 \$1595 \$1495
PROBE MANUAL \$25	Manual for PC PROBE Software/Hardware debugger.
LOGIC PROBES \$100	Five channel test clip cable for monitoring signals external to the PC PROBE.
PSC001 \$25	Cable for optional external Power Supply for PC PROBE.
PS001 \$225	Power Supply, +5V wall plug in unit for optional external PC PROBE power - not needed unless computer power supply is inadequate. PC PROBE power requirement is 2.0 AMP at +5V.
SOFTWARE PROBE \$295	Software Debugger diskette plus external crash recovery switch box.
SOFTWARE PERFORMANCE &TIMING ANALYZER \$395	Software upgrade to PC PROBE for performance and timing analysis of user programs.
Warranty:	Atron warrants its products to be free from defects in workmanship and materials under normal use for a period of 90 days. In addition, software updates released at the discretion of Atron will be supplied free of charge within the first year of purchase. Additional software updates may be purchased after 1 year for a nominal fee.

Terms: FOB SARATOGA, CA.

To place an order or make inquiries please call Atron at 408-741-5900 and ask for sales.



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NEW PRODUCT ANNOUNCEMENT

SOFTWARE PERFORMANCE AND TIMING ANALYZER

Atron is announcing a new software upgrade to the PC PROBE- the Software Performance and Timing Analyzer. This product has the following features for analysis of realtime program performance:

- 0 Graphical presentation of program execution time
- 0 Application Program symbols usable in commands and timing analysis displays
- 0 Selectable measurement periods and termination conditions
- 0 Selectable complex timing measurements for both individual module and intermodule activity
- 0 Single event or chained event timing measurements
- 0 Selected modules can be included or excluded in timing measurements

Program Activity Measurement

Shows a histogram of program execution activity symbolically using the symbols of the applications program. The granularity of the histogram is user selectable. The Program Activity Measurement shows the programmer where to start working on performance improvements.

Module Duration Measurement

Shows a histogram of execution times for a given module. This allows the investigation of spurious problems generated by variations in the execution of a given module.

Module Usage Measurement

Shows a histogram of execution times for all code outside of given modules. Good for determining interrupt saturation in a system.

Intermodule Duration Measurement

Shows a histogram of execution times between specified modules. Good for measuring critical times between different non consecutive modules.

Intermodule Linkage Measurement

Shows a histogram of multiple module to module transfers.

Timing Analysis

Shows execution times of single blocks of code or chained blocks of code. Displays in a symbolic format.



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- O SYMBOLIC DEBUGGING
- O PROGRAM CRASH RECOVERY
- O USER DEFINED MACROS
- O ENHANCED HUMAN INTERFACE
- O HIGH LEVEL LANGUAGE SUPPORT
- O CONDITIONAL LOOP AND IF/THEN/ELSE CONSTRUCTS
- O EXTERNAL CONSOLE OPTION
- O 16 BREAKPOINTS

The Software Probe consists of a diskette and an external switch box and is compatible with the IBM PC or compatible units. The software is the same powerful software used in the PC PROBE without the added hardware debugging aids such as hardware breakpoints, realtime trace, and logic probe inputs. Software Probe has, however, the same external switch box which allows return of system control to the user when the executing program has gone out of control or has not encountered a breakpoint. Atron can now provide a low cost entry into the world of advanced program debugging while providing an up grade path to an even more powerful debugger-the PC PROBE.



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